

**Amendments to the Claims:**

This listing of the claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (original) A power factor controller or corrector in a regulated power supply circuit, which comprises separating load and line regulations in the power supply circuit and providing a  $1/x^2$  modulator module for the line regulation in which switching frequency is inversely proportional to the square of the line voltage.
2. (original) A power factor controller or corrector according to claim 1, in which the load regulation is achieved by a  $1/v$  pulsewidth generator which generates a pulse duration that is inversely proportional to the voltage from a differential gain circuitry that produces a control voltage which is proportional to the difference between a fraction of output voltage and a fixed reference voltage.
3. (original) A power factor controller or corrector according to claim 2, in which a loop delay is provided between the differential gain circuitry and the  $1/v$  pulse generator.
4. (currently amended) A power factor controller or corrector according to claim 1, ~~2 or 3~~, combined with a hybrid power supply having a  $1/x$  frequency modulating module, said combination comprising cascading the  $1/x^2$  module with the  $1/x$  module.
5. (cancelled)
6. (new) A power factor controller or corrector according to claim 2, combined with a hybrid power supply having a  $1/x$  frequency modulating module, said combination comprising cascading the  $1/x^2$  module with the  $1/x$  module.
7. (new) A power factor controller or corrector according to claim 3, combined with a hybrid power supply having a  $1/x$  frequency modulating module, said combination comprising cascading the  $1/x^2$  module with the  $1/x$  module.